

# ALASKA CROP-WEATHER



Alaska Division of Agriculture  
Alaska Cooperative Extension

U.S. Department of Agriculture  
National Agricultural Statistics Service  
P.O. Box 799  
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**RELEASED:** June 1, 2004

**GENERAL:** There were **6.0 days suitable for fieldwork** last week. Temperatures were generally above normal last week and many areas of the state received some rain. **Topsoil moisture** supplies were reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture** supplies were listed as 5% short, 95% adequate. The **barley** crop was reported as 95% planted, 75% emerged. **Oats** were listed as 90% planted, 80% emerged. **Planting of potatoes** was reported as 70% complete. **Crop growth** was listed as 45% moderate, 55% rapid. **Condition of the hay** crop was listed as 10% fair, 60% good, 30% excellent. Farm activities for the week included planting small grains, potatoes and vegetables, fertilizing hay fields, weed control, equipment repair and irrigation.

CROP WEATHER SUMMARY May 21 - May 30, 2004		
DAYS SUITABLE FOR FIELDWORK: 6.0		
CROP	TOPSOIL MOISTURE	SUBSOIL MOISTURE
SHORT	5%	5%
ADEQUATE	90%	95%
SURPLUS	5%	0%
PAN EVAPORATION FOR 05/21-05/30 MAT AES SITE: +0.275		

**TANANA VALLEY:** An average of **6.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 5% short, 90% adequate, 5% surplus. **Subsoil moisture supplies** were 100% adequate. **Planting of barley** was 95% complete, 75% emerged. **Oats** were reported as 90% planted, 75% emerged. **Planting of potatoes** was 50% complete. **Crop growth** was listed as 45% moderate, 55% rapid. **Condition of the hay** crop was listed as 10% fair, 55% good, 35% excellent. **Farm activities** for the week included finishing up small grain planting, spraying weeds, planting potatoes, equipment maintenance and fertilizing hay ground.

**MATANUSKA VALLEY:** An average of **5.0 days were suitable for fieldwork**. **Topsoil moisture** was reported as 10% short, 90% adequate. **Subsoil moisture supplies** were reported as 15% short, 85% adequate. **Planting of barley and oats** was virtually complete. Both crops were reported as 100% emerged. **Planting of potatoes** was reported 80% complete, with some early planted fields just beginning to emerge. **Crop growth** was listed as 40% moderate, 60% rapid. **Condition of the hay** crop was listed as 10% fair, 65% good, 25% excellent. Major **farm activities** during the week included fertilizing hay fields, transplanting vegetables, planting potatoes and equipment preparation.

**KENAI PENINSULA:** An average of **5.0 days were suitable for fieldwork**. **Topsoil and subsoil moistures** were both reported as 100% adequate. **Planting of potatoes** was 20% complete. **Crop growth** was listed as 75% moderate, 25% rapid. **Condition of the hay** crop was listed as 25% fair, 50% good, 25% excellent. Major **farm activities** for the week included fertilizing hay fields and pastures and planting/transplanting vegetables.

## Soil Temperatures ( F<sup>0</sup> ) at 4 inch depth

	Grass			Fallow land			Temperature		Precip (inches)
	2004	2003	2002	2004	2003	2002	High	Low	
UAF-AFES, Trunk Road	54	52	53	52	53	53	63	43	0.32
Sawmill Creek	47	42	na	na	na	na	73	35	0.66
Plant Materials Center	na	52	51	na	50	49	na	na	na

**PAN EVAPORATION** is an indirect estimation of evapotranspiration or consumptive water use by plants. For purposes of watering or irrigation of plants, it is a good indicator of climatic effects on water use by crops. A positive reading indicates that evaporation exceeded precipitation.

Weather Summary For Alaska Agricultural Statistics Service  
 Prepared By AWIS, Inc.

For the Period: Monday May 24, 2004  
 To: Sunday May 30, 2004

STATION	LAST WEEK WEATHER SUMMARY						May 1, 04 - May 30, 04					GDD
	TEMPERATURE			PRECIPITATION			PRECIPITATION		GDD BASE 50F		BASE	
	HI	LO	AVG	DFN	TOTAL	DAYS	TOTAL	DFN	DAYS	TOTAL	DFN	TOT
Fairbanks Intl	70	44	57	+4	0.42	4	1.62	+1.03	13	93	+45	342
Fairbanks/Eiels	72	48	59	+6	0.49	5	2.53	+1.86	13	118	+71	386
Nenana Muni AM	71	42	56	+4	0.71	5	2.27	+1.95	16	79	+44	321
Ftgreely/Allen	69	39	55	+3	0.42	4	1.64	+0.88	11	62	-3	305
Healy River Air	66	45	55	+4	0.52	7	1.70	+0.97	21	70	+50	305
Gulkana Arpt A	65	33	50	+3	0.58	2	0.67	+0.09	6	35	+22	295
Sutton	59	41	49	+0	0.67	6	1.22	+0.42	17	17	+1	259
Palmer Municipa	61	43	52	+1	0.34	4	0.66	+0.01	13	66	+31	351
Talkeetna	63	42	53	+3	0.62	5	1.72	+0.12	11	62	+45	340
Willow Airport	59	47	53	+3	0.61	5	1.10	+0.51	14	60	+47	340
Anchorage Intl	61	38	50	+0	0.63	2	0.88	+0.20	7	33	+7	291
Kenai Municipal	66	37	49	+2	0.86	4	1.09	+0.17	9	19	+9	238
Homer	59	37	50	+4	0.47	3	0.91	-0.12	9	10	+3	223
Kodiak	62	43	49	+3	3.91	5	5.78	-0.33	14	23	+13	244

DFN = Departure From Normal (Using 1961-90 Normals Period).  
 Precipitation (Rainfall or melted snow/ice) and Pan Evap in inches.  
 Precipitation Days = Days with precip of .01 inch or more.  
 Air Temperatures in Degrees Fahrenheit.

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